

Branch Name:	BACHELOR OF PHYSIOTHERAPY
Program Code:	PT101
Course Title:	MEDICINE I (General Medicine + Skin & V.D.)
Course Code:	2PT1010301
Pre-requisite Course:	Human Anatomy, Human Physiology, Pathology, Microbiology, Pharmacology, Psychology

Teaching and Examination Scheme:

Teaching Scheme (Hours per week)			Credit	Evaluation Scheme (Marks)					
Lecture	Tutorial	Practical		Theory(T)		Practical(P)		Total Marks	
				University Assessment	Continuous Assessment	University Assessment	Continuous Assessment		
								Theory	Practical
2+0.5	-	-	4+1	80 (55+25)	20 (15+5)	-	-	100	-

GENERAL MEDICINE

COURSE OUTCOMES:

At the end of the course, the students will be able to

1. Acquire the knowledge of Etiology, Patho-physiology, signs and symptoms and management in brief, of infectious diseases, diseases of metabolism especially obesity and other related medical conditions, diseases of hematopoietic system, diseases of GI and urinary tract & endocrine disorders.
2. Describe etiology, patho-physiology, sign and symptoms, clinical evaluation and management of the various cardio-vascular and respiratory disorders with interpretation of investigations: chest x-ray, Echocardiography, blood gas analysis, blood investigations and pulmonary function test.
3. Acquire the knowledge of auto-immune & rheumatologic conditions with special emphasis to those involving musculoskeletal system and skin, with regards to etiology, patho-physiology, signs and symptoms, differential diagnosis and medical management of same.

Subject Content:

Sr. No.	Topic	Hours
1	Respiratory Diseases: a) Lung function tests b) Pneumonia, ILD c) Respiratory failure d) Pulmonary edema e) Pulmonary embolism lung abscess f) Bronchiectasis g) Asthma h) Emphysema i) Pleural effusion j) Pneumothorax k) Empyema l) Chronic bronchiectasis m) Corona Virus Disease n) Swine Flu	14
2	Cardio Vascular Diseases: a) Rheumatic fever b) valvular lesions c) congestive cardiac failure d) ischaemic heart diseases (Angina pectoris and myo-cardial infarction) stress test, hypertension, peripheral vascular-diseases (TAO, Raynauds disease).	15
3	Endocrinal Disorders: a) Diabetes mellitus b) obesity c) Thyrotoxicosis d) Myxedema	05
4	Gastro-intestinal Disorders: a) Peptic ulcer b) Pancreatitis c) Dysentries and diarrhea d) Inflammatory bowel diseases e) Jaundice f) Cirrhosis of liver	05
5	Infectious Disease: a) Tuberculosis b) Malaria c) Typhoid d) Infective hepatitis e) Tetanus	05
6	Nutritional Disorder: a) Vitamins and its deficiencies b) Disorders including rickets and osteomalacia c) Anaemia.	05
7	Urogenital System: a) Structure and functions of kidneys including physiology of micturition b) Acute and chronic renal failure c) Glomerulo-nephritis d) Pyelonephritis.	05

8	Rheumatology: a) Rheumatoid arthritis b) Ankylosing spondylitis c) Gout d) Osteoarthritis e) Spondyloarthritis f) Systemic lupus erythematous g) Polyarteritis nodosa h) Mixed connective tissue disorders i) Scleroderma	20
9	Fungal Infections with emphasis on Mucormycosis	02

List of References:

Text Books:

1. Davidson's Principles and Practice of Medicine, Colledge, Nicki R. 22th Edition.
2. Golwalla's Medicine for Students: A Reference Book for the Family Physician. Golwalla, Aspi F. 26th Edition.

Reference Books:

1. Radiology and Imaging for Students and Practitioners. Gupta, L.C. 1st Edition.

List of Open Source Software/learning website:

- k-hub.in e library/A single platform for all e resources (K-hub, E Resource)
 - User Name- KB4605VNG
 - Password- BL@69BX!
- knowledgegainer.delnet.in (Delnet, E Resource)
 - User Name- gjspum
 - Password- spu10924

SKIN & V.D. (DERMATOLOGY)

COURSE OUTCOMES:

At the end of the course, the students will be able to

1. Acquire knowledge in structure and function of the skin and about various primary, secondary and special skin lesions related to systemic disorders.
2. Describe etiology, clinical features and management of bacterial, fungal, viral, allergic, autoimmune skin diseases.
3. Acquire knowledge in sexually transmitted diseases and leprosy.

Subject Content:

Sr. No.	Topic	Hours
1	Structure and functions of normal skin: Primary and secondary skin lesions.	01
2	Scabies and pediculosis.	02
3	Fungal infections of skin: a) Dermatophytosis b) Pityriasisversicolor c) Candidiasis.	02
4	Bacterial infections of skin-Impetigo / Boil.	02
5	Viral infections of skin-Herpes zoster.	02
6	Eczema / Dermatitis / Allergies.	02
7	Psoriasis / Acne / Alopecia / Vitiligo and Leucoderma.	04
8	Leprosy / Lepra - Reaction/Physiotherapy in leprosy.	02
9	Sexually transmitted diseases: a) Syphilis - primary & secondary, b) Gonorrhoea c) Chancroid d) AIDS.	02

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Course Learning Outcomes (CLO): On completion of this course, the students will be able to:

CLO	Description	Bloom's Taxonomy Level
CLO1	Able to diagnose various neurological disorders on the basis of the clinical signs and symptoms along with neuro diagnostic tests.	1 Remembering 2 Understanding 3 Applying
CLO2	Identify the complications of various neurosurgical procedures and describe the indications and contraindications.	1 Remembering 2 Understanding 3 Applying
CLO3	Describe the etiology, pathology, clinical presentation, relevant investigation, and medical management of different neurological conditions.	3 Applying 4 analyzing 5 Evaluating
CLO4	Demonstrate understanding of the clinical, laboratory, and radiological resources used for diagnosing neurological conditions.	1 Remembering 2 Understanding 3 Applying
CLO5	Understand the structure and function of the skin and acquire the knowledge of skin lesions related to systemic disorders.	1 Remembering 2 Understanding 3 Applying
CLO6	Able to understand the etiology, clinical features and management of various skin disorders.	1 Remembering 2 Understanding 3 Applying

Mapping of CLOs with Pos & PSOs

Course Learning Outcomes	Program Outcomes (POs)								Program Specific Outcomes (PSOs)							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CLO1	M								H						M	
CLO2		M	H							M	H			M		
CLO3			H									M	M			
CLO4	M			M	L	M				L				M	L	
CLO5							L		M			L				L
CLO6	L							M		M				M		

H=High M=Medium L=Low